



Inspired by Building Science

# QUIK-THERM MATRIX

Composite Rigid Foam Insulation and Weatherization Technology

## Matrix Assembly Cost Analysis - Class C Estimate\*

Assembly Description	Cost per 100m <sup>2</sup>	Labour per 100m <sup>2</sup>	Eff R-Value
Wall Assembly: 5" Quik-Therm Matrix w/ face mounted Brick Tie & 90 Brick Masonry	\$61518	177 hours	Eff R-23
Wall Assembly: 5" XPS w/ penetrating Brick Ties & 90 Brick Masonry	\$62450	272 hours	Eff R-20.51 **
Wall Assembly: 8" Quik-Therm Matrix & Metal Cladding	\$39132	128 hours	Eff R-34.9
Wall Assembly: 8" Mineral Wool w/ thermal clips, double layer z-girts & Metal Cladding.	\$48400	188 hours	Eff R-25.2
Roof Assembly: 10" Quik-Therm Matrix & Standing Seam Metal	\$40836	146 hours	Eff R-42.5
Roof Assembly: 10" Polyisocyanurate w/ thermal clips, double layer z-girt & Standing Seam Metal	\$50200	188 hours	Eff R-40.94**
Roof Assembly: 10" Mineral Wool w/ thermal clips, double layer z-girt & Standing Seam Metal	\$47400	180 hours	Eff R-30.74
Pre-Eng Roof Assembly: 12" Quik-Therm Matrix (12" OC) & Standing Seam Metal	\$37110	115 hours	Eff R-50.2
Pre-Eng Roof Assembly: 12" Cavity Fill Insulation System & Standing Seam Metal	\$32500	130 hours	Eff R-43
10) Pre-Eng Roof Assembly: 10" Quik-Therm Matrix (12"OC) & Standing Seam Metal	\$32130	115 hours	Eff R-42.5

\* Based on analysis completed by Postma Consulting 2023-08-01. Postma Consulting cannot and does not warrant or represent that bids or negotiated prices will not vary from this or any subsequent estimate of construction cost or evaluation prepared or agreed to by Postma Consulting. It is generally acknowledged that a Class C estimate is within the range of plus or minus twenty (20%) percent.

\*\* Extrapolated Values

### Escalation, Overhead & Fee & Contingencies

As this is a comparison of the various systems, the estimate does not include escalation, overhead, fee or contingencies as this would be the same for all of the scenarios and is not applicable to the analysis to determine which systems is more cost effective.

### Metal Cladding Wall Assembly

In the analysis of this wall assembly it has been found that the conventional cladding assembly is a more labour intensive process, resulting in higher costs per m2. Eliminating the requirement for z-bars and thermal clips greatly reduce the time required to install the assembly.

### Metal Roofing Assembly

Similar to the wall assembly analysis the ability to remove the z-bars and thermal clips greatly reduces the cost of the assembly and labour required to install.